



MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING

BUILDING CODE COMPLIANCE OFFICE
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908

CONTRACTOR LICENSING SECTION
(305) 375-2527 FAX (305) 375-2558

CONTRACTOR ENFORCEMENT DIVISION
(305) 375-2966 FAX (305) 375-2908

PRODUCT CONTROL DIVISION
(305) 375-2902 FAX (305) 372-6339

PRODUCT CONTROL NOTICE OF ACCEPTANCE

Lawson Industries, Inc.
8501 NW 90 Street
Medley ,FL 33166

Your application for Notice of Acceptance (NOA) of:

Series: Single Hung (SH-7700) Impact Window

under Chapter 8 of the Code of Miami-Dade County governing the use of Alternate Materials and Types of Construction, and completely described herein, has been recommended for acceptance by the Miami-Dade County Building Code Compliance Office (BCCO) under the conditions specified herein.

This NOA shall not be valid after the expiration date stated below. BCCO reserves the right to secure this product or material at any time from a jobsite or manufacturer's plant for quality control testing. If this product or material fails to perform in the approved manner, BCCO may revoke, modify, or suspend the use of such product or material immediately. BCCO reserves the right to revoke this approval, if it is determined by BCCO that this product or material fails to meet the requirements of the South Florida Building Code.

The expense of such testing will be incurred by the manufacturer.

ACCEPTANCE NO.: 01-1009.01
EXPIRES: 12/27/2006

Raul Rodriguez
Chief Product Control Division

THIS IS THE COVERSHEET, SEE ADDITIONAL PAGES FOR SPECIFIC AND GENERAL
CONDITIONS
BUILDING CODE & PRODUCT REVIEW COMMITTEE

This application for Product Approval has been reviewed by the BCCO and approved by the Building Code and Product Review Committee to be used in Miami-Dade County, Florida under the conditions set forth above.

Francisco J. Quintana, R.A.
Director
Miami-Dade County
Building Code Compliance Office

APPROVED: 12/27/2001

Lawson Industries, Inc.

ACCEPTANCE No.: 01-1009.01

APPROVED: December 27, 2001

EXPIRES: December 27, 2006

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

1. SCOPE

- 1.1** This an aluminum single hung window, as described in Section 2 of this NOA, designed to comply with the South Florida Building Code (SFBC), 1994 Edition for Miami-Dade County, for the locations where the pressure requirements, as determined by SFBC Chapter 23, do not exceed the Design Pressure Rating values indicated in the approved drawings.

2. PRODUCT DESCRIPTION

- 2.1** The Series "SH-7700" Aluminum Single Hung Window- Large Missile Impact Resistant and its components shall be constructed in strict compliance with the following document: Drawing No **WO1-66**, Sheets 1 through 4 of 4, titled "SH-7700 Aluminum Single Hung Window," prepared by Al Farooq Corporation, dated 9/26/01 and revised on 11/29/01, signed sealed by Humayoun Farooq, P.E., bearing the Miami-Dade County Product Control approval stamp with the NOA number and approval date by the Miami-Dade County Product Control Division. This document shall hereinafter be referred to as the approved drawings.

3. LIMITATIONS

- 3.1** This approval applies to single unit applications only, as shown in approved drawings.
3.2 For Design Pressure Rating vs. Window Size, see Comparative Analysis Tables in approved drawings.

4. INSTALLATION

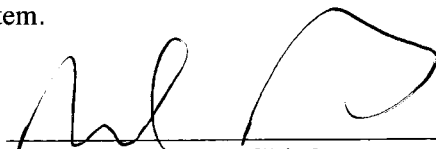
- 4.1** The aluminum single hung window and its components shall be installed in strict compliance with the approved drawings.
4.2 Hurricane protection system (shutters): the installation of this unit **will not require** a hurricane protection system.

5. LABELING

- 5.1** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved".

6. BUILDING PERMIT REQUIREMENTS

- 6.1** Application for building permit shall be accompanied by copies of the following:
6.1.1 This Notice of Acceptance
6.1.2 Duplicate copies of the approved drawings, as identified in Section 2 of this Notice of Acceptance, clearly marked to show the components selected for the proposed installation.
6.1.3 Any other documents required by the Building Official or the South Florida Building Code (SFBC) in order to properly evaluate the installation of this system.



Raul Rodriguez, Chief
Product Control Division

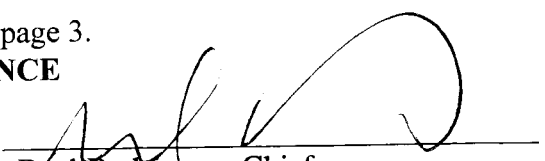
APPROVED: December 27, 2001

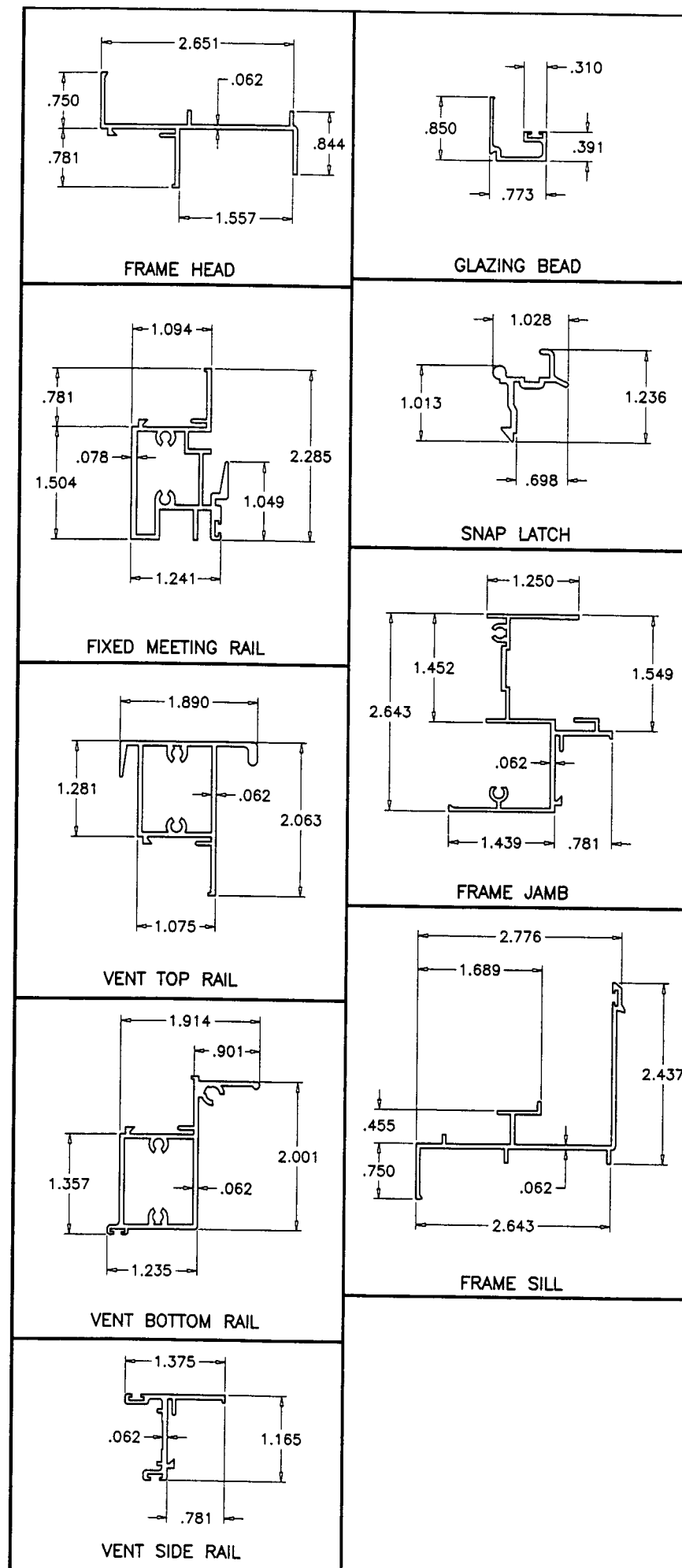
EXPIRES: December 27, 2006

NOTICE OF ACCEPTANCE: STANDARD CONDITIONS

1. Renewal of this Acceptance (approval) shall be considered after a renewal application has been filed and the original submitted documentation, including test supporting data, engineering documents, are no older than eight (8) years.
2. Any and all approved products shall be permanently labeled with the manufacturer's name, city, state, and the following statement: "Miami-Dade County Product Control Approved", or as specifically stated in the specific conditions of this Acceptance.
3. Renewals of Acceptance will not be considered if:
 - a) There has been a change in the South Florida Building Code affecting the evaluation of this product and the product is not in compliance with the code changes;
 - b) The product is no longer the same product (identical) as the one originally approved;
 - c) If the Acceptance holder has not complied with all the requirements of this acceptance, including the correct installation of the product;
 - d) The engineer who originally prepared, signed and sealed the required documentation initially submitted is no longer practicing the engineering profession.
4. Any revision or change in the materials, use, and/or manufacture of the product or process shall automatically be cause for termination of this Acceptance, unless prior written approval has been requested (through the filing of a revision application with appropriate fee) and granted by this office.
5. Any of the following shall also be grounds for removal of this Acceptance:
 - a) Unsatisfactory performance of this product or process.
 - b) Misuse of this Acceptance as an endorsement of any product, for sales, advertising or any other purpose.
6. The Notice of Acceptance number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the Notice of Acceptance is displayed, then it shall be done in its entirety.
7. A copy of this Acceptance as well as approved drawings and other documents, where it applies, shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at all time. The engineer need not reseal the copies.
8. Failure to comply with any section of this Acceptance shall be cause for termination and removal of Acceptance.
9. This Notice of Acceptance consists of pages 1, 2 and this last page 3.

END OF THIS ACCEPTANCE


Raul Rodriguez, Chief
Product Control Division



TYPICAL ANCHORS: SEE ELEV. FOR SPACING

A - 3/16" TAPCONS

INTO 2BY WOOD BUCKS OR WOOD STRUCTURE
 1-3/8" MIN. PENETRATION INTO WOOD

THRU 1BY BUCKS INTO MASONRY OR DIRECTLY INTO MASONRY
 1-1/4" MIN. EMBED INTO CONC. OR MASONRY

B - 1/4" TAPCONS

INTO 2BY WOOD BUCKS OR WOOD STRUCTURE
 1-1/2" MIN. PENETRATION INTO WOOD

THRU 1BY BUCKS INTO MASONRY OR DIRECTLY INTO MASONRY
 1-1/4" MIN. EMBED INTO CONC. OR MASONRY

KWIK PRO SELF DRILLING SCREWS BY HILTI OR EQUIV.

INTO METAL STRUCTURES (1/8" MIN. THICKNESS)
 (1/4" MAX. SHIM SPACE)

#10 SMS OR SELF DRILLING SCREWS

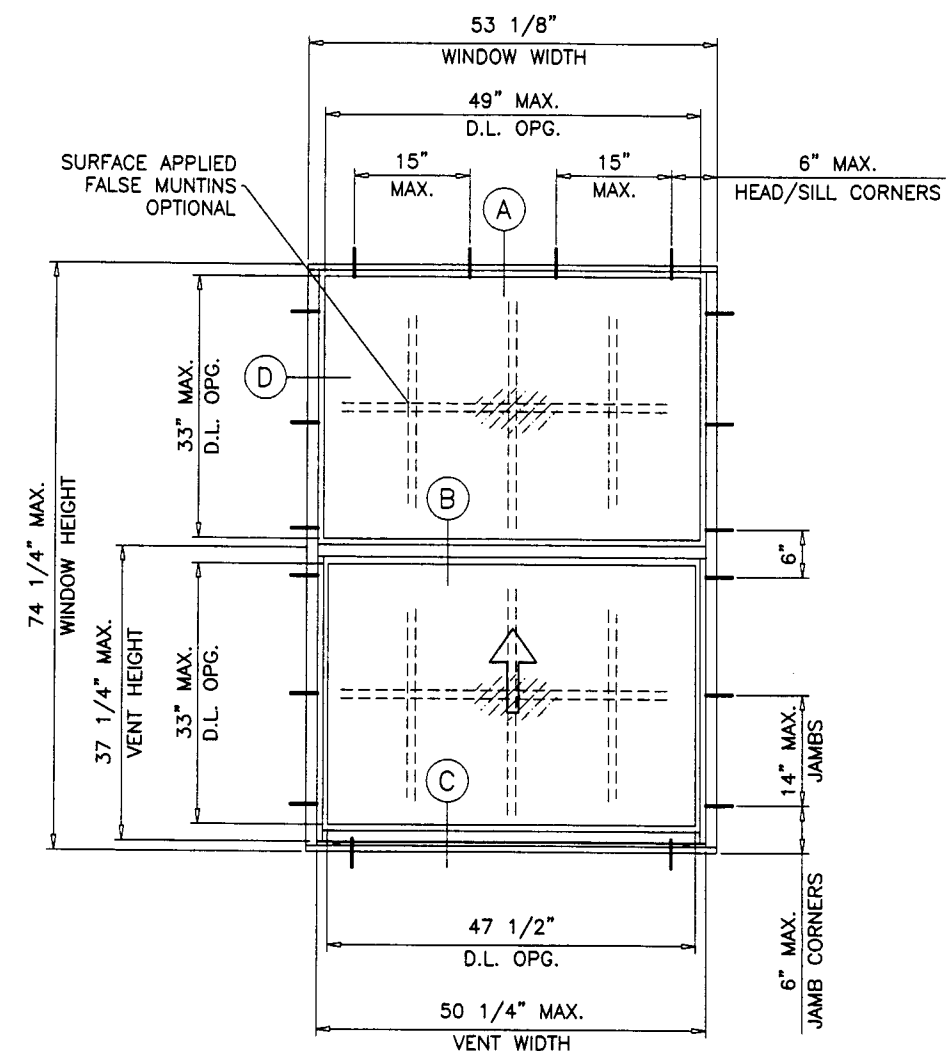
INTO DADE COUNTY APPROVED MULLIONS
 (NO SHIM SPACE)

SEALANTS:

ALL FRAME AND VENT CORNERS AND SILL INSTALLATION SCREWS
 SEALED WITH SEALANT.

WEEPHOLES:

W1 = 1/2" WEEP NOTCH AT EACH END
 W2 = 3/16" X 1" WEEP HOLE AT 4-1/4" FROM EACH END



**TYPICAL ELEVATION
 TESTED UNIT**

NOTES:

1. THIS STRUCTURE IS DESIGNED AS PER THE SOUTH FLORIDA BUILDING CODE 1994 EDITION FOR DADE COUNTY. ALSO FOR WIND LOADS AS PER ASCE 7 USING CORRESPONDING LOADS.
2. WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.
3. ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS. ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

Engr: DR. HUMAYOUN FAROOQ
 STRUCTURES
 FLA. PE # 16557

APPROVED AS COMPLYING WITH THE
 SOUTH FLORIDA BUILDING CODE
 DATE December 27, 2001

BY [Signature]
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE
 ACCEPTANCE NO. 01-1009.01

NOV 29 2001

AL-FAROOQ CORPORATION
 ENGINEERS, PLANNERS & PRODUCT DESIGN
 1235 SW 87 AVE
 MIAMI, FLORIDA 33174
 TEL. (305) 264-8100 FAX. (305) 262-6978
 COMP-ANL\W01-66LI

LAWSON INDUSTRIES
 7030 N.W. 37 TH. COURT
 MIAMI, FL. 33147
 TEL. (305) 696-8660 FAX (305) 696-6006

revisions:	no	date	by	description
	A	11.29.01		REV. PER BCCO COMMENTS

date: 09-26-01
 scale: 1/2"=1'-0"
 dr. by: HAMID
 chk. by:

drawing no. **W01-66**
 sheet 1 of 4

DESIGN LOAD CAPACITY - PSF							
WINDOW DIMS.		ANCHOR TYPE 'A'					
		ANNEALED GLASS					
		GLASS TYPE '1'		GLASS TYPE '2'		GLASS TYPE '3'	
WIDTH	HEIGHT	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
19-1/8"	26"	90.0	90.0	80.0	80.0	80.0	80.0
26-1/2"		90.0	90.0	80.0	80.0	80.0	80.0
37"		90.0	90.0	80.0	80.0	80.0	80.0
53-1/8"		90.0	90.0	80.0	80.0	80.0	80.0
19-1/8"	38-3/8"	90.0	90.0	80.0	80.0	80.0	80.0
26-1/2"		90.0	90.0	80.0	80.0	80.0	80.0
37"		90.0	90.0	80.0	80.0	80.0	80.0
53-1/8"		81.9	81.9	80.0	80.0	80.0	80.0
19-1/8"	50-5/8"	90.0	90.0	80.0	80.0	80.0	80.0
26-1/2"		90.0	90.0	80.0	80.0	80.0	80.0
37"		90.0	90.0	80.0	80.0	80.0	80.0
53-1/8"		75.8	75.8	75.8	75.8	75.8	75.8
19-1/8"	58"	90.0	90.0	80.0	80.0	80.0	80.0
26-1/2"		90.0	90.0	80.0	80.0	80.0	80.0
37"		90.0	90.0	80.0	80.0	80.0	80.0
53-1/8"		61.0	61.0	61.0	61.0	61.0	61.0
19-1/8"	63"	90.0	90.0	80.0	80.0	80.0	80.0
26-1/2"		90.0	90.0	80.0	80.0	80.0	80.0
37"		82.2	82.2	80.0	80.0	80.0	80.0
53-1/8"		55.4	55.4	55.4	55.4	55.4	55.4
19-1/8"	74-1/4"	90.0	90.0	80.0	80.0	80.0	80.0
26-1/2"		90.0	90.0	80.0	80.0	80.0	80.0
37"		67.2	67.2	67.2	67.2	67.2	67.2
53-1/8"		47.5	47.5	47.5	47.5		

DESIGN LOAD CAPACITY - PSF							
WINDOW DIMS.		ANCHOR TYPE 'A'					
		HEAT STRENGTHENED GLASS					
		GLASS TYPE '1'		GLASS TYPE '2'		GLASS TYPE '3'	
WIDTH	HEIGHT	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
53-1/8"	50-5/8" (4)	90.0	90.0	80.0	80.0	80.0	80.0
53-1/8"	58" (6)	81.3	81.3	80.0	80.0	80.0	80.0
37"	63"	90.0	90.0	80.0	80.0	80.0	80.0
53-1/8"	63" (6)	74.9	74.9	74.9	74.9	74.9	74.9
37"	74-1/4"	90.0	90.0	80.0	80.0	80.0	80.0
53-1/8"	63" (6)	63.5	63.5	80.0	80.0		

DESIGN LOAD CAPACITY - PSF							
WINDOW DIMS.		ANCHOR TYPE 'B'					
		HEAT STRENGTHENED GLASS					
		GLASS TYPE '1'		GLASS TYPE '2'		GLASS TYPE '3'	
WIDTH	HEIGHT	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
53-1/8"	58" (6)	90.0	90.0				
53-1/8"	63" (6)	90.0	90.0	80.0	80.0	80.0	80.0
53-1/8"	74-1/4" (6)	80.0	80.0	80.0	80.0		

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COMP-ANL W01-66LJ

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revisions:	no	date	by	description

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chk. by:

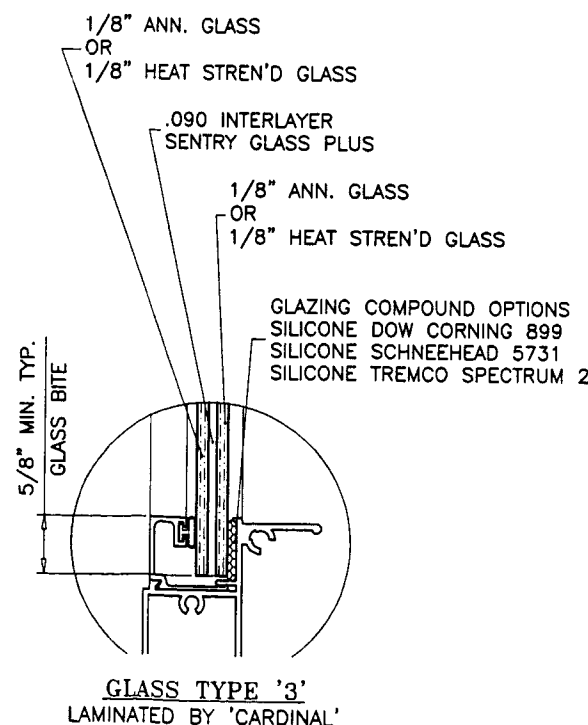
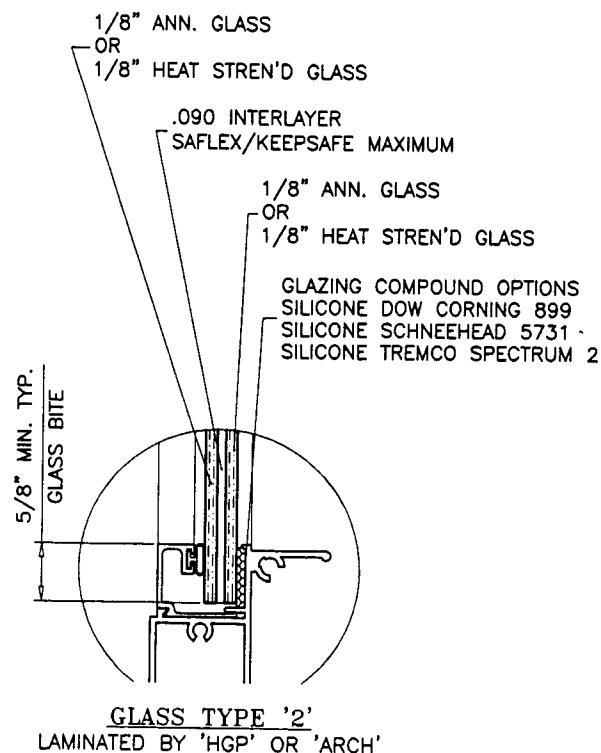
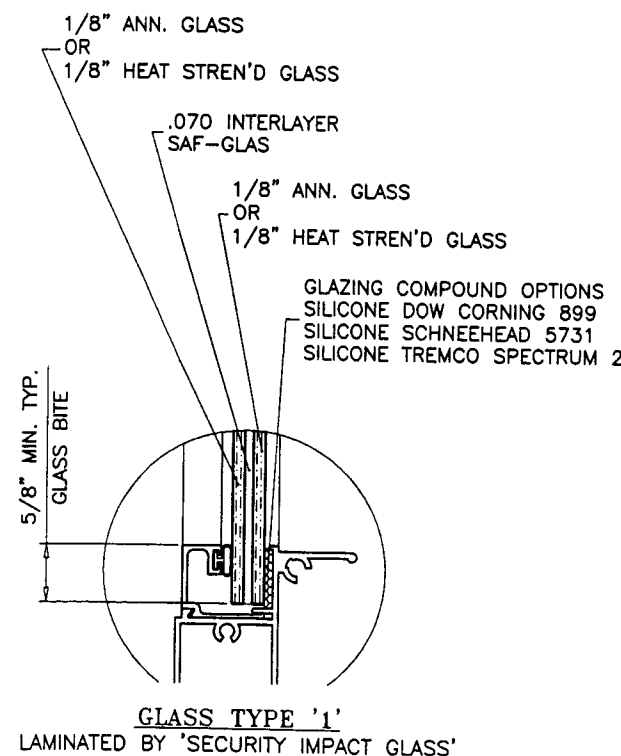
drawing no.
W01-66
sheet 2 of 4

Engr: DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 16557

NOV 29 2001

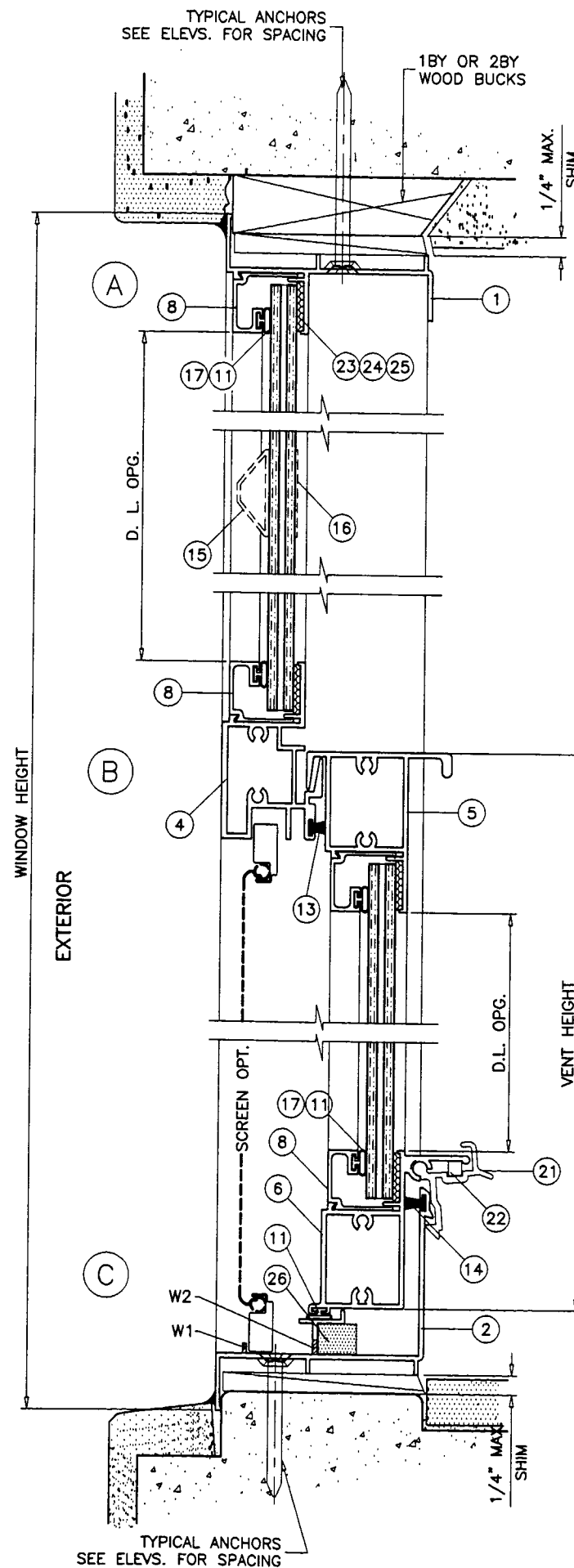
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DATE December 27, 2001

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ACCEPTANCE NO. 01-1009.01



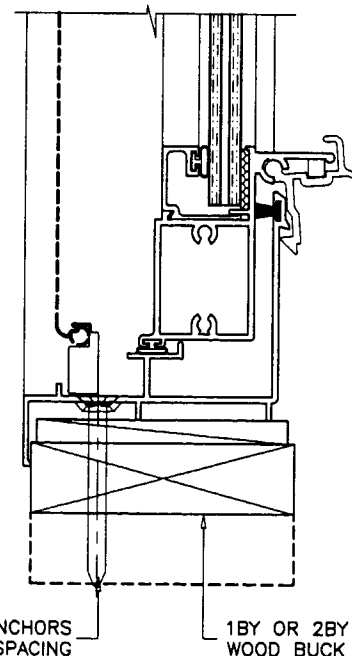
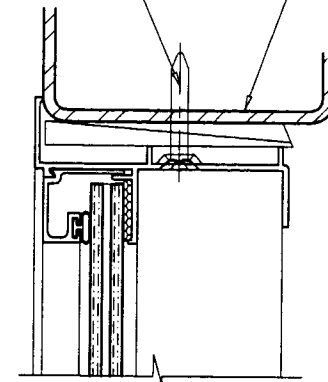
GLAZING OPTIONS

LARGE MISSILE IMPACT RESISTANT GLASS, SHUTTERS ARE NOT REQUIRED



TYPICAL ANCHORS
SEE ELEV. FOR SPACING

METAL STRUCTURES
(STEEL OR ALUM. 1/8" MIN. THICK)
STEEL : $F_y = 36$ KSI MIN.
ALUMINUM : 6063-T5 MIN.



ITEM NO.	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	L-7701	1	FLANGE FRAME HEAD	6063-T5	-
2	L-7702	1	FLANGE FRAME SILL	6063-T5	-
3	L-7703	2	FLANGE FRAME JAMB	6063-T5	-
4	L-7704	1	FRAME FIXED MEETING RAIL	6063-T6	-
5	L-7705	1	VENT MEETING (TOP) RAIL	6063-T6	-
6	L-7706	1	VENT BOTTOM (LATCH) RAIL	6063-T6	-
7	L-7707	1	VENT JAMB (SIDE) RAIL	6063-T6	-
8	L-7708	AS REQ'D.	GLAZING BEAD (3/8")	6063-T5	-
9	FS-006	AS REQ'D.	FRAME ASSEMBLY SCREWS	-	#8 X 3/4" PH PHILLIPS
10	-	-	-	-	-
11	L-7531	AS REQ'D.	BOTTOM RAIL W'STRIPPING	VINYL	1/4" DIA. BULB #3033
12	PWS-003	AS REQ'D.	FIN SEAL WEATHERSTRIP	-	.187"X.210" (7820-6001-9)
13	PWS-005	AS REQ'D.	FIN SEAL WEATHERSTRIP	-	.187"X.350" (7834-6001-7)
14	PWS-009	AS REQ'D.	FIN SEAL WEATHERSTRIP	-	.187"X.310" (7830-6001-1)
15	L-7512	OPTIONAL	EXTERIOR FALSE MUNTIN	ALUMINUM	
16	L-7513	OPTIONAL	INTERIOR FALSE MUNTIN	ALUMINUM	
17	L-7718	AS REQ'D.	GLAZING BEAD WEDGE	VINYL	WEDGE #GV-010
18	L-7723	1	SASH BALANCE CAM/GUIDE	-	(2 X VENT)
19	L-7725	2	RIGID VINYL SASH STOP	-	(2 X FRAME)
20	L-7727	2	BLOCK & TACKLE BALANCE	-	BSI BALANCE SYSTEMS
21	L-7539	2/ VENT	VENT LATCH	-	AT 6" FROM EACH END
22	L-7523	2/ VENT	VENT LATCH SPRING	-	-
23	-	AS REQ'D.	GLAZING COMPOUND	SILICONE	SCHNEE-MOREHEAD 5731
24	-	AS REQ'D.	GLAZING COMPOUND	SILICONE	DOW CORNING 899
25	-	AS REQ'D.	GLAZING COMPOUND	SILICONE	TREMCO SPECTREM 2
26	-	2	1/2" X 1/2" X 2" LONG PAD	FOAM	AT EACH END

WOOD BUCKS NOT BY LAWSON, MUST SUSTAIN LOADS
IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM
TO THE BUILDING STRUCTURE.

Engr: DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 16557

NOV 29 2001

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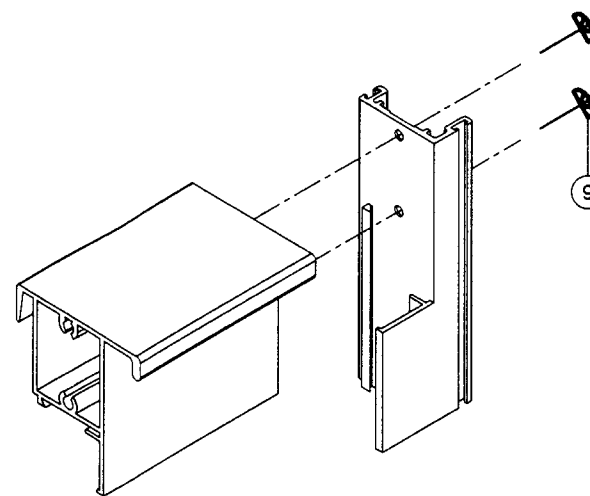
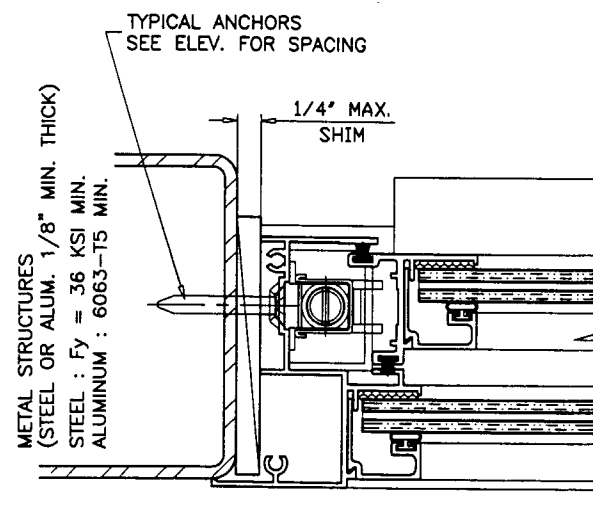
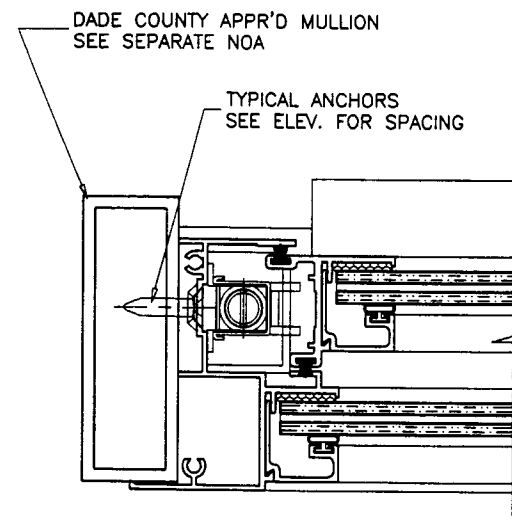
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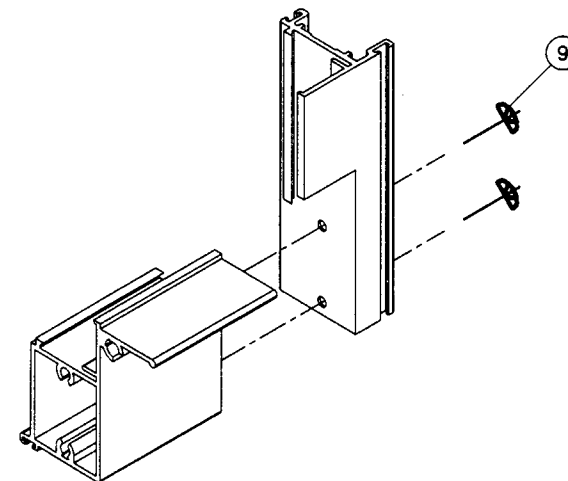
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chk. by:

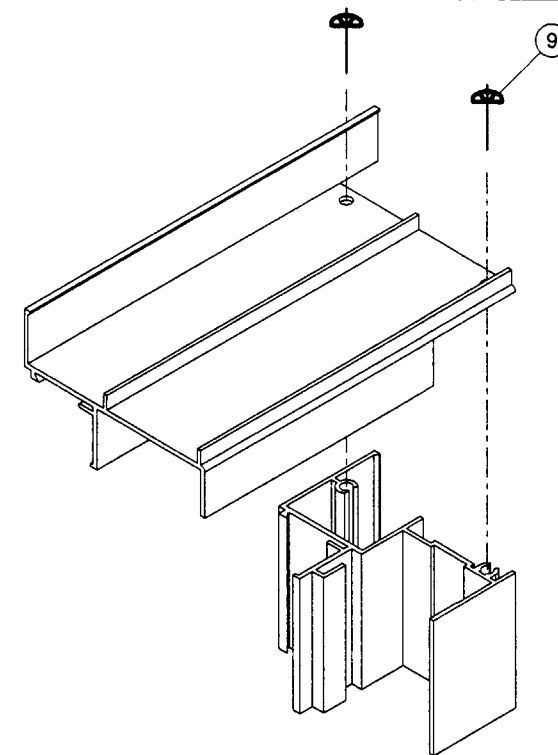
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W01-66
sheet 3 of 4



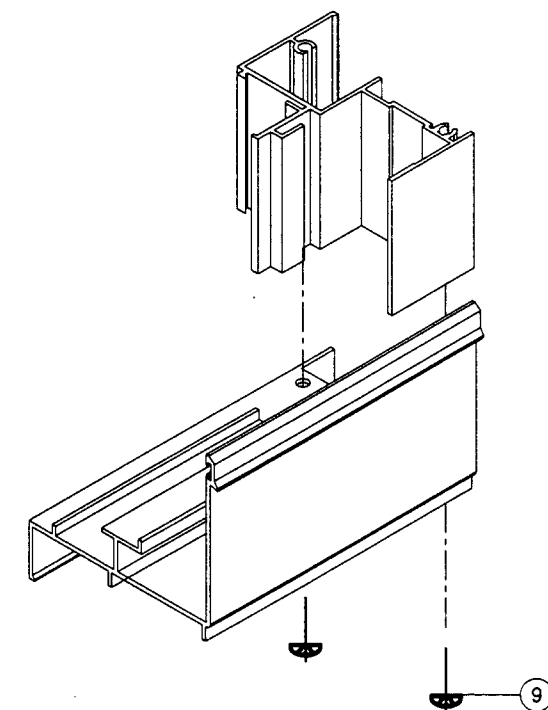
VENT TOP CORNER



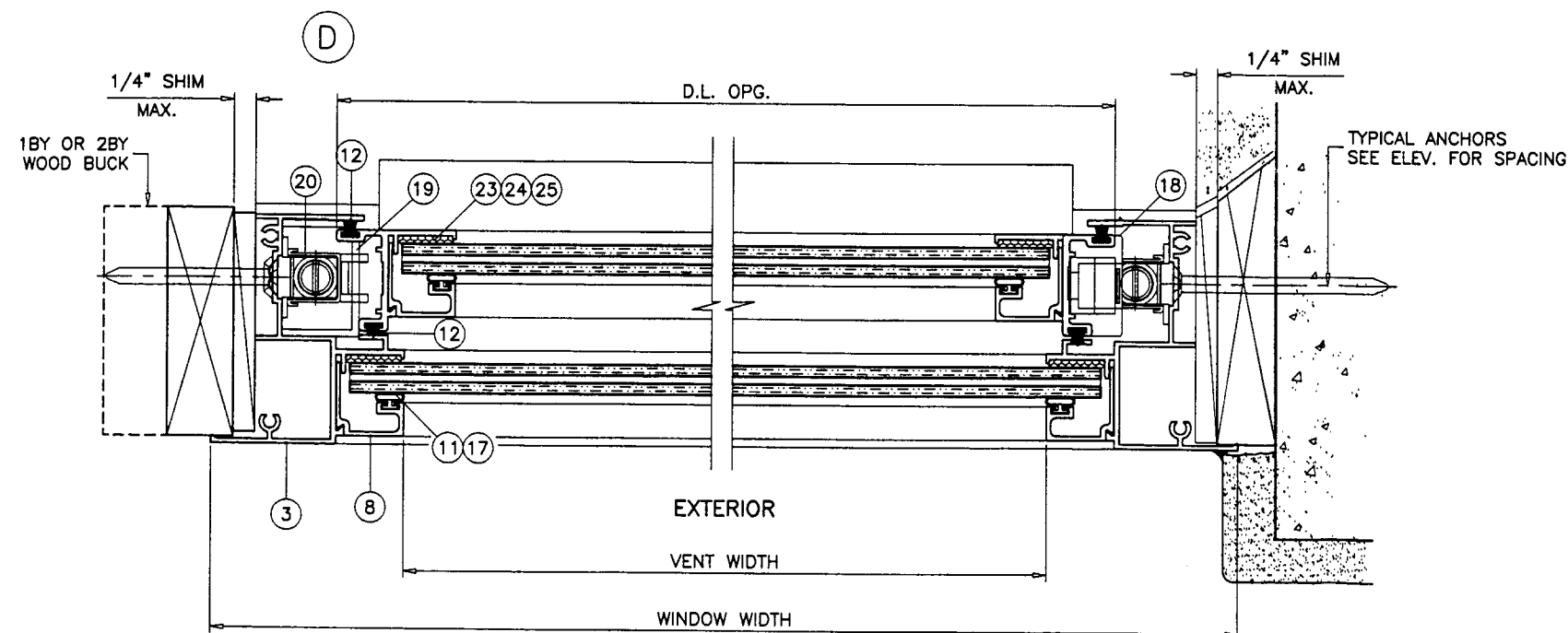
VENT BOTTOM CORNER



FRAME TOP CORNER



FRAME BOTTOM CORNER



Engr: DR. HUMAYOUN FAROOQ
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dr. by: HAMID
chk. by:

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W01-66

sheet 4 of 4

COMP-ANL\W01-66LI